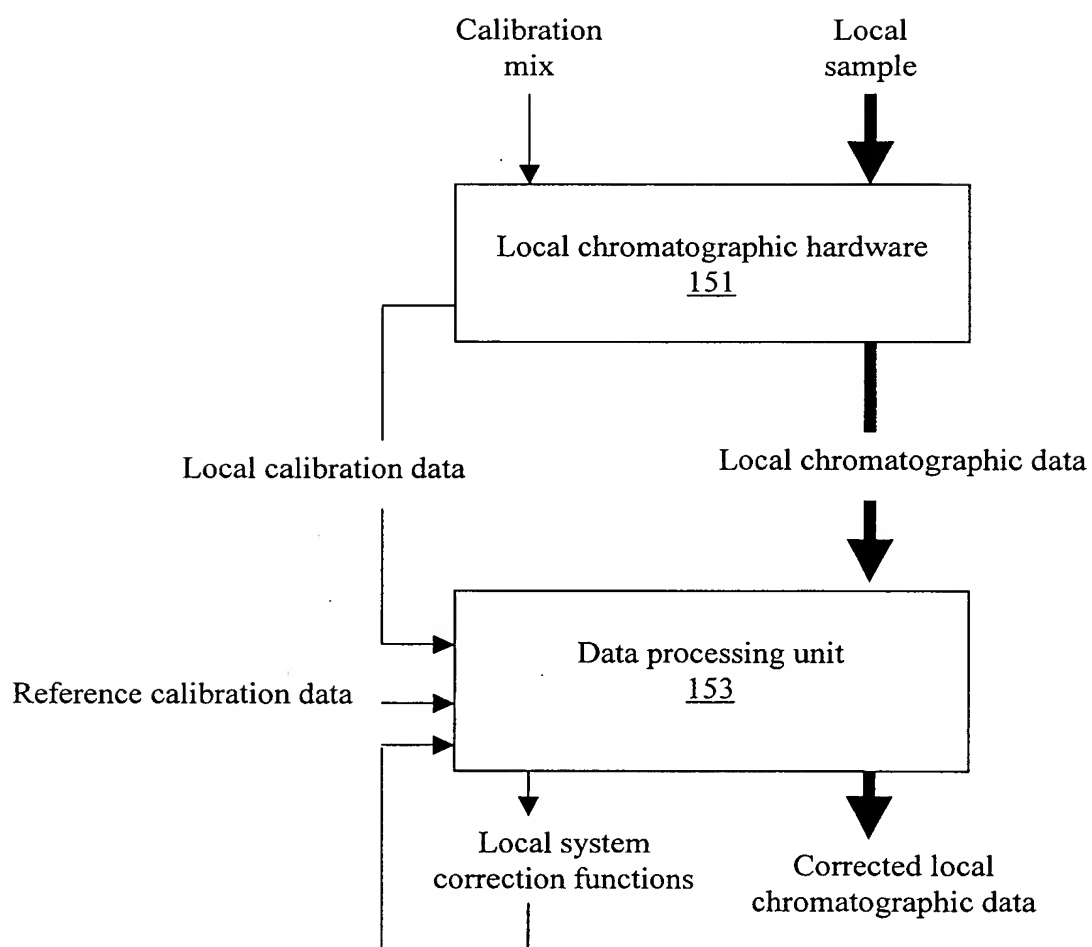
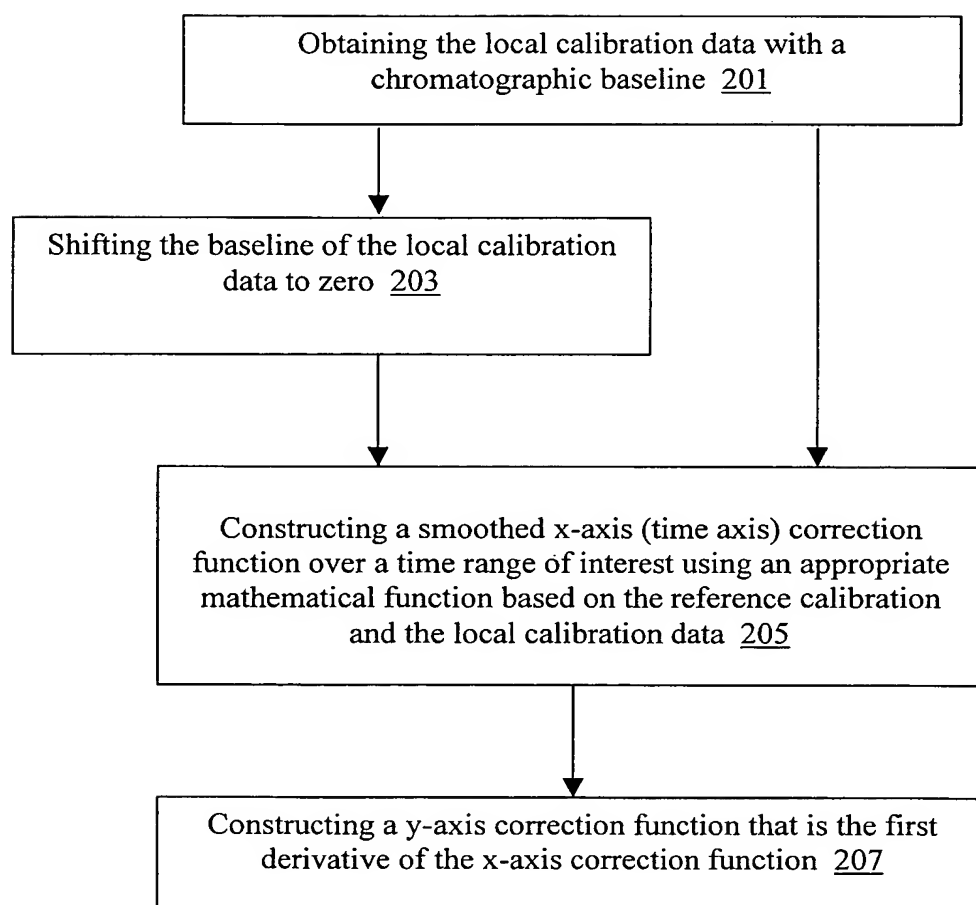


FIG. 1a

**FIG. 1b**

**FIG. 2**

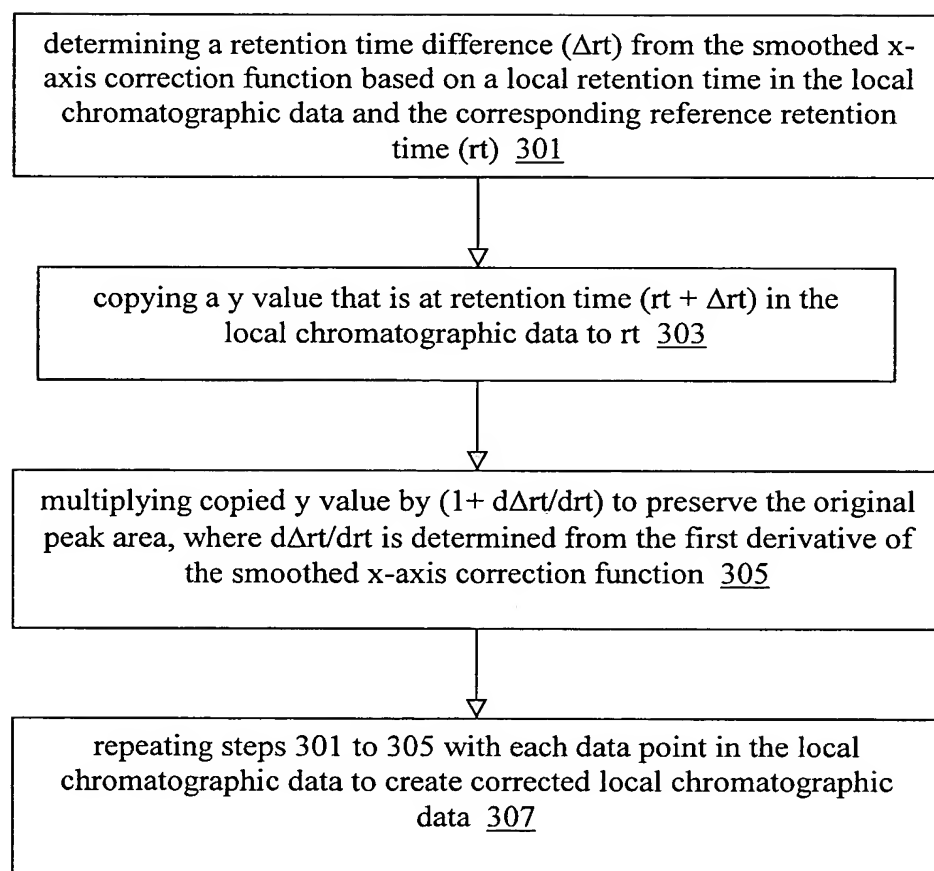


FIG. 3

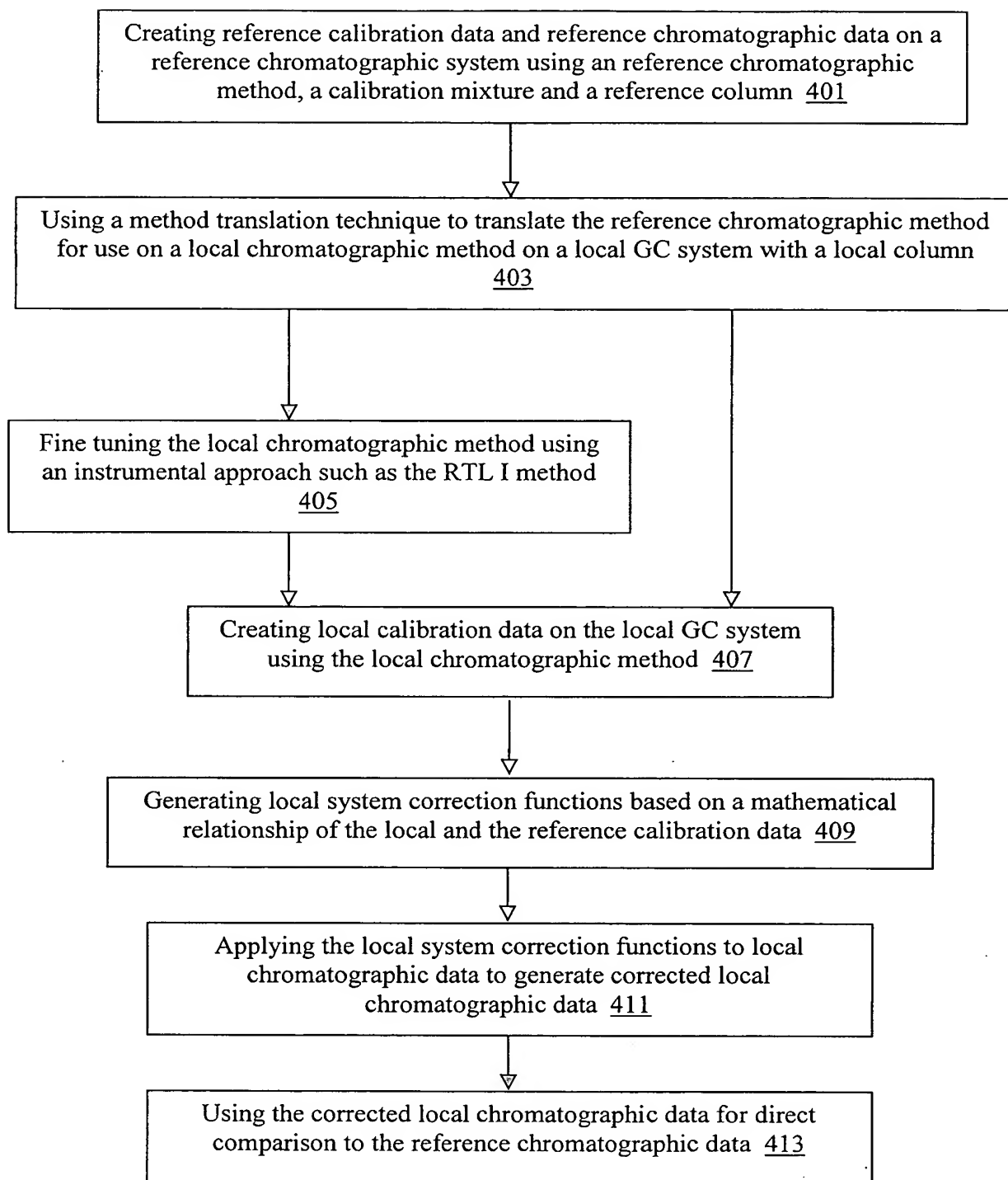


FIG. 4

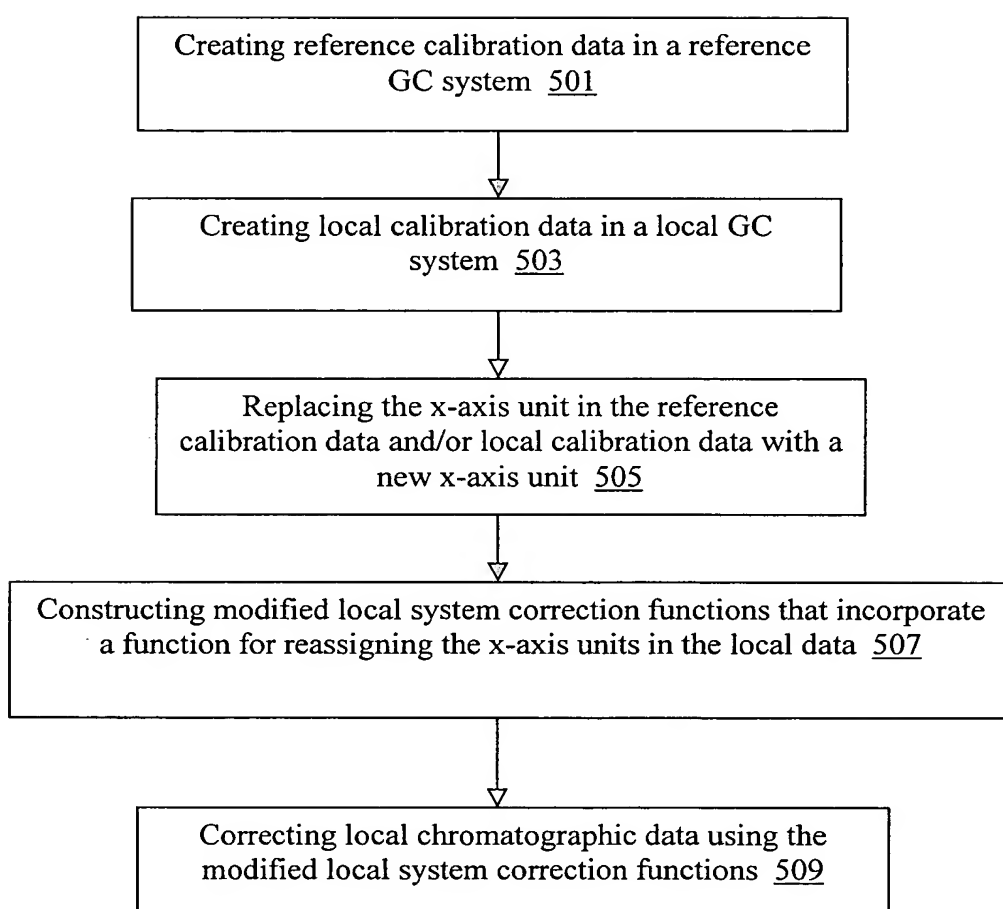


FIG. 5

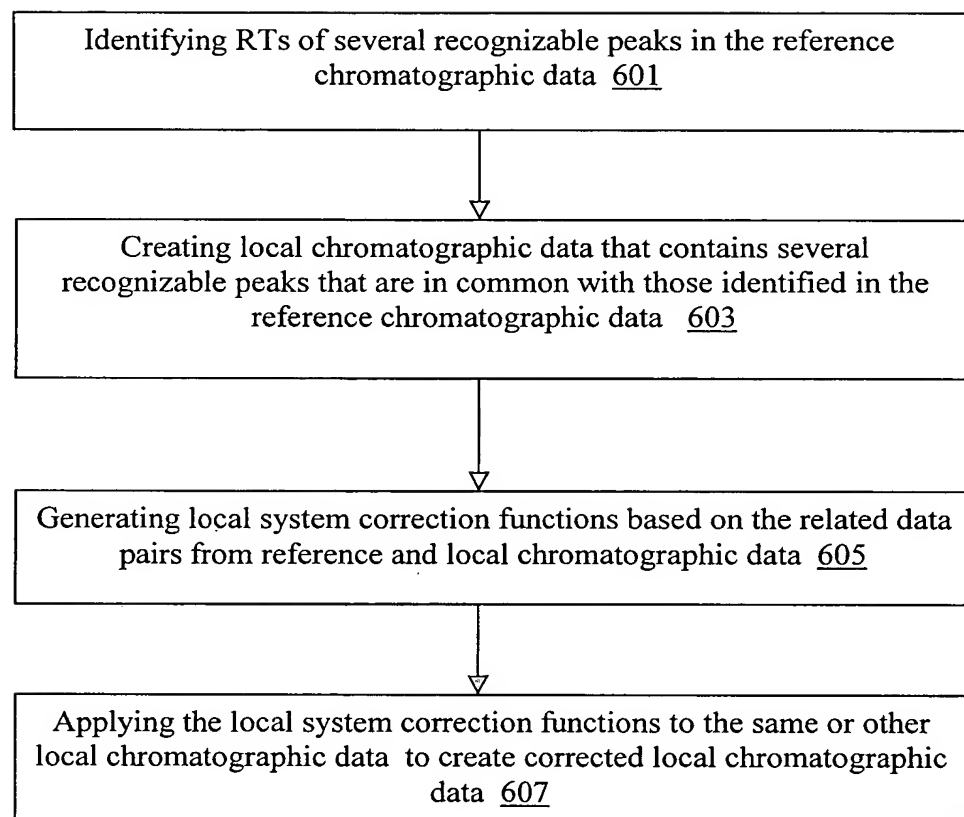


FIG. 6

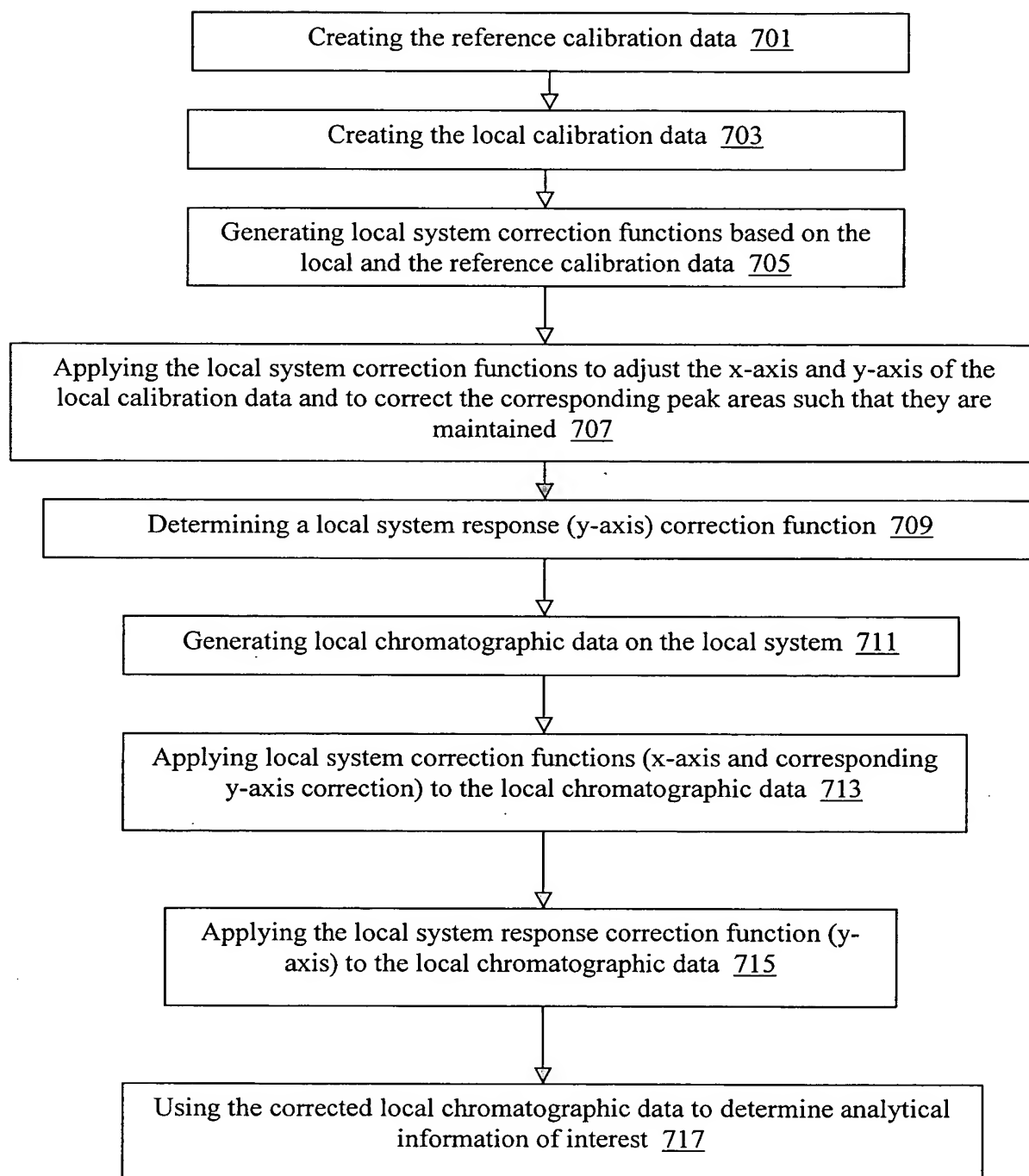


FIG. 7



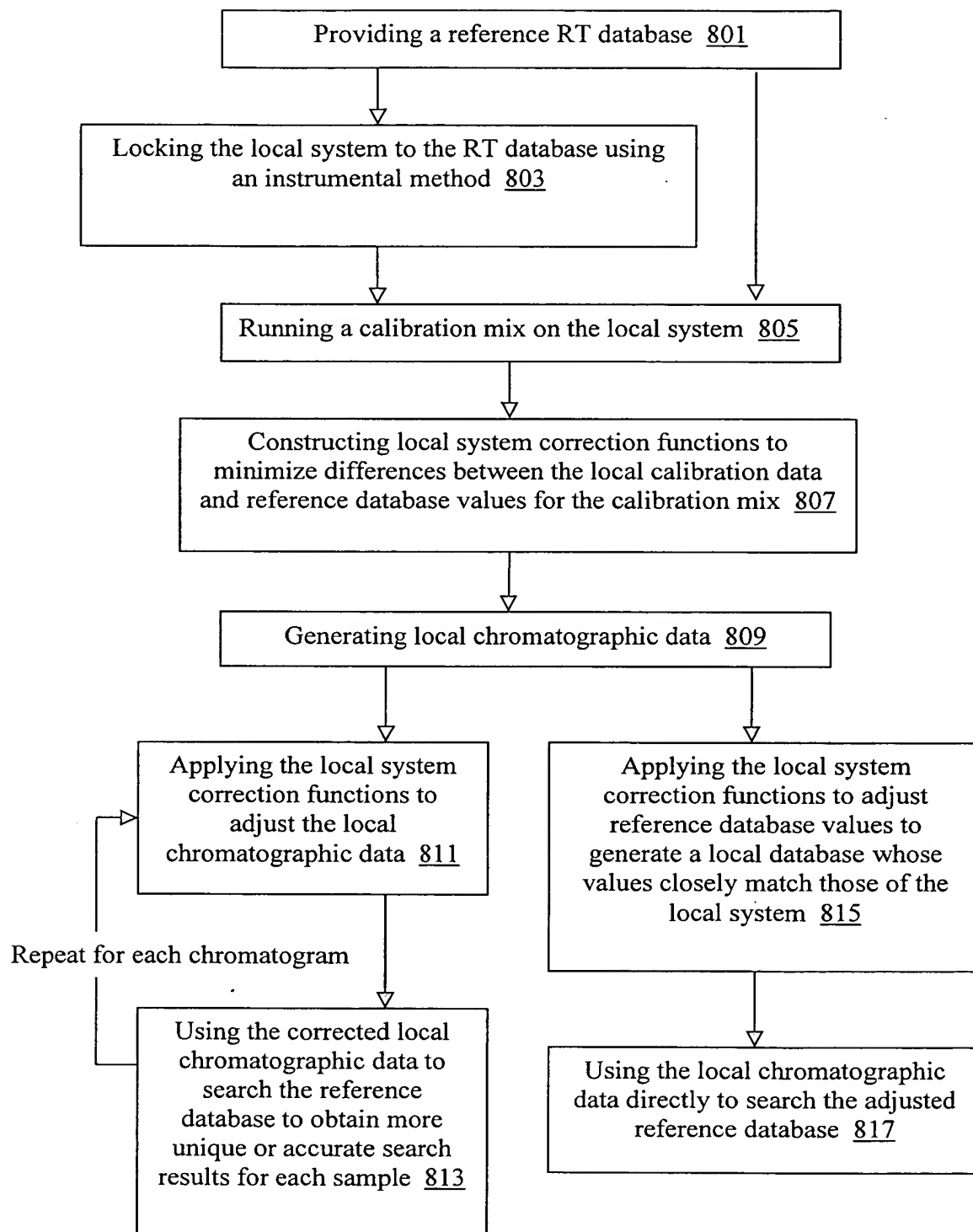
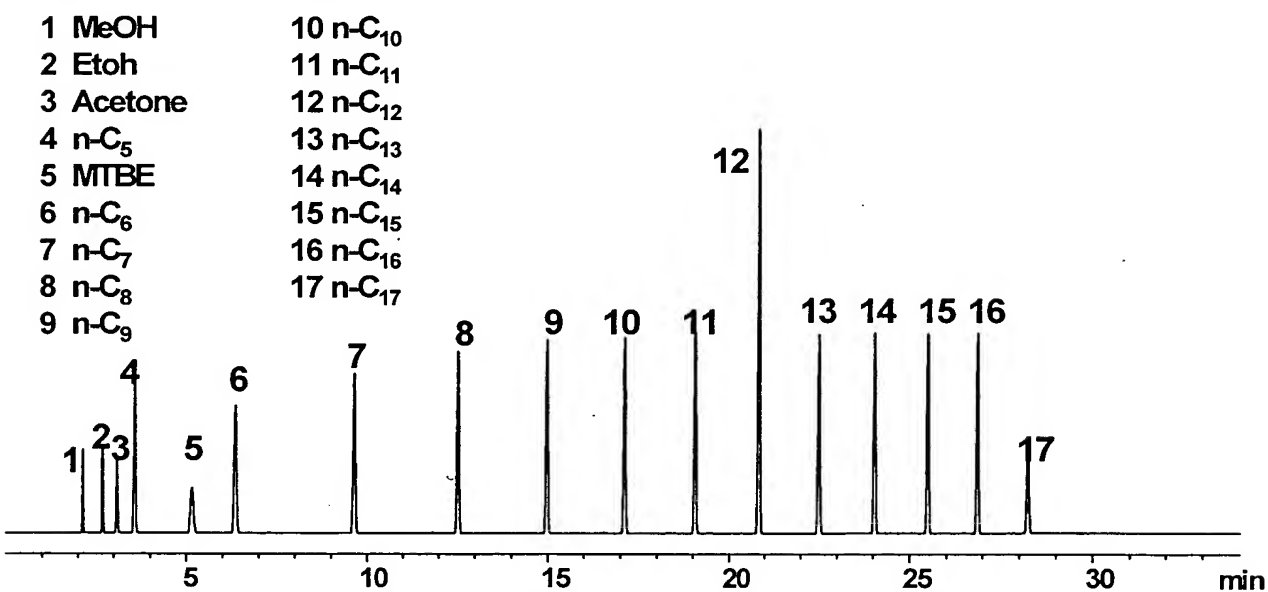


FIG. 8

30 m x 530  $\mu$ m x 3.0  $\mu$ m DB-1

Oven 40 C (5 min), 10 C/min to 260 C (3 min)

Inlet 3.33 psi constant pressure, 0.2  $\mu$ L split 50:1



**FIG. 9**

30 m x 530  $\mu$ m x 3.0  $\mu$ m DB-1

Oven 40 C (5 min), 10 C/min to 260 C (3 min)

Inlet 5.24 psi constant pressure, 0.2  $\mu$ L split 50:1

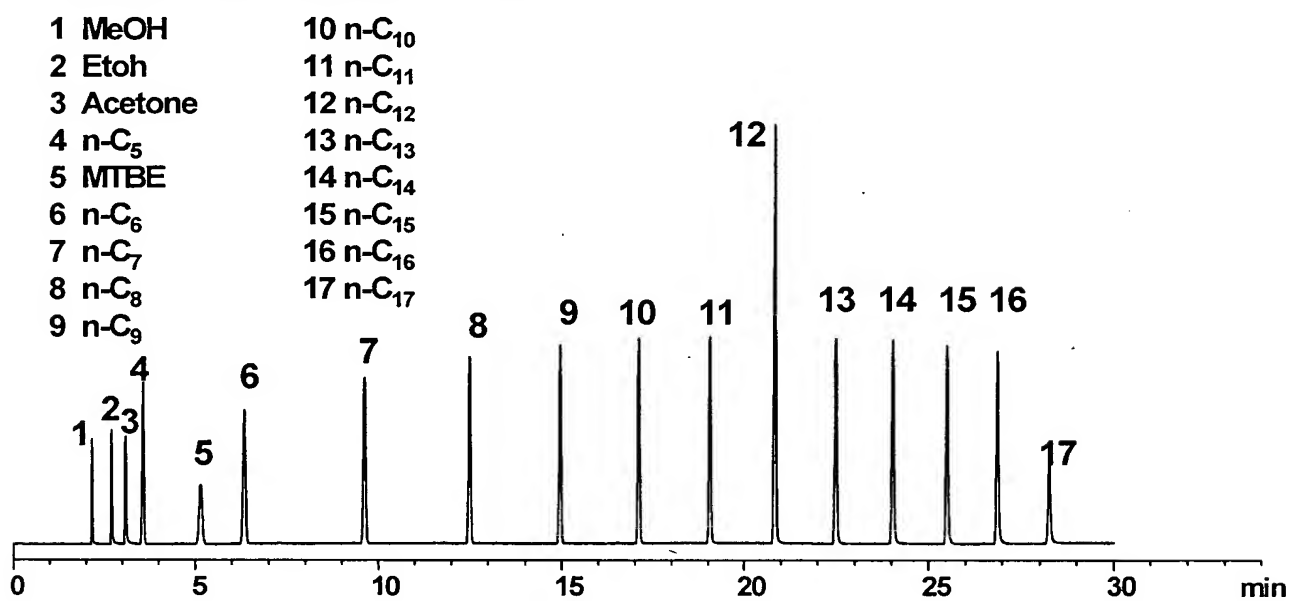
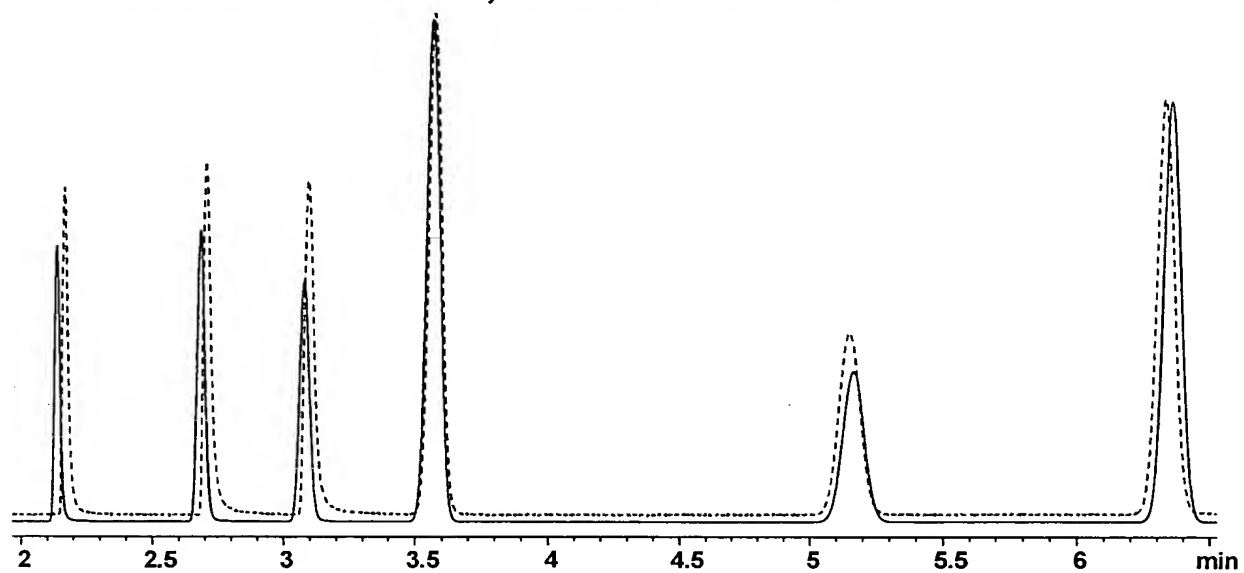


FIG. 10

Locked at 20.850 min, dashed line is AED



**FIG. 11**

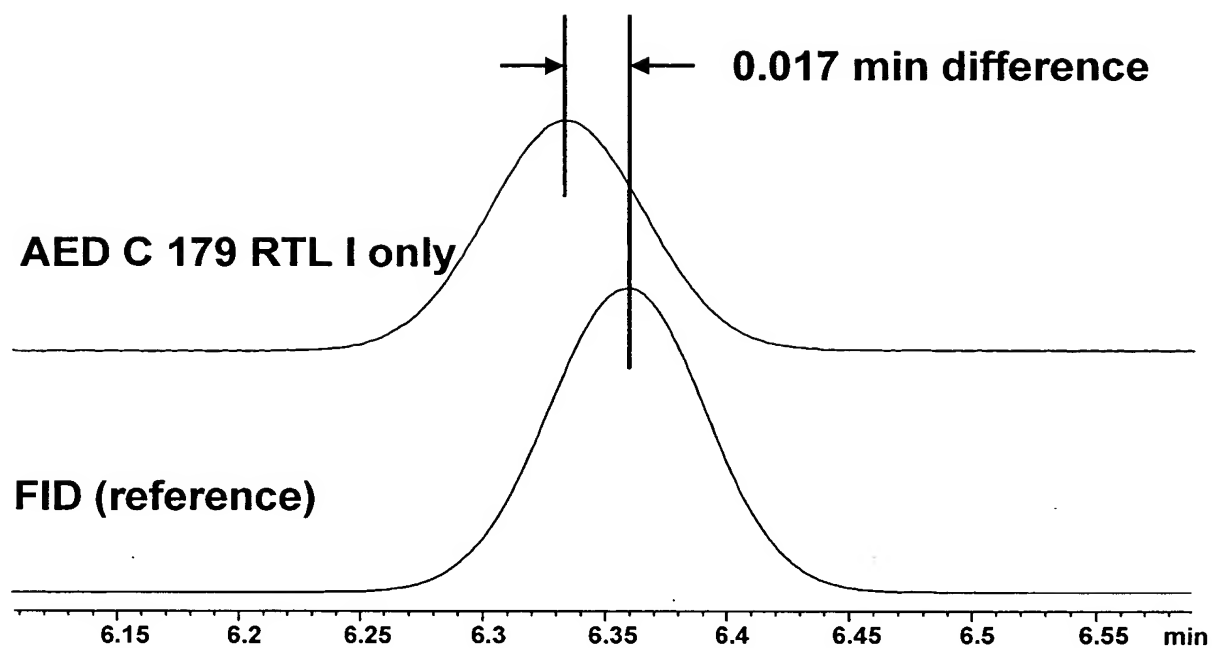
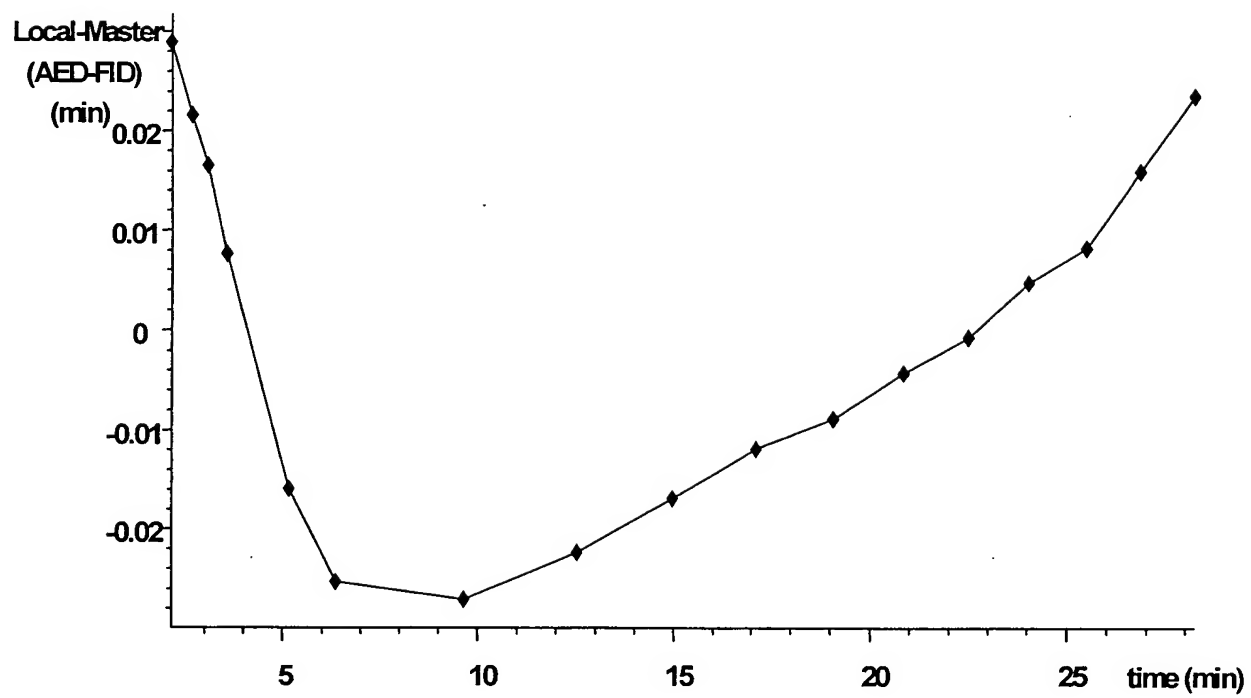


FIG. 12

**FIG. 13**

Delete all peaks not used for RTL2 calibration. Both tables must have same number of peaks.

Master Reference				Local Reference		
#	RT	Compound Name	Area	#	RT	Area
1	2.138	methanol	593.91	1	2.168	95.37
2	2.685	ethanol	912.34	2	2.707	151.02
3	3.081	acetone	946.97	3	3.097	178.12
4	3.570	n-pentane	2681.15	4	3.578	351.67
5	5.166	MTBE	1300.71	5	5.150	207.14
6	6.359	n-hexane	2998.45	6	6.334	394.56
7	9.652	n-heptane	3191.97	7	9.625	420.97
8	12.522	n-octane	3262.97	8	12.500	431.30
9	14.972	n-nonane	3351.55	9	14.955	440.79
10	17.123	n-decane	3368.35	10	17.111	444.15
11	19.063	n-undecane	3382.36	11	19.054	448.61
12	20.844	n-dodecane	6926.41	12	20.839	917.43
13	22.494	n-tridecane	3408.51	13	22.494	454.01
14	24.037	n-tetradecane	3461.45	14	24.042	466.17
15	25.488	n-pentadecane	3461.16	15	25.496	464.07
16	26.854	n-hexadecane	3509.23	16	26.871	471.95
17	28.239	n-heptadecane	1682.16	17	28.262	229.95

Created From: D:\RTL2\_PAT\RTL2FID1\530DB1M.D  
 Comment: [master 1x fid 530um cal]

Created From: D:\RTL2\_PAT\RTL2AED1\530DB1MX12.D  
 Comment: [master 1x aed 530um cal]

OK Cancel

FIG. 14

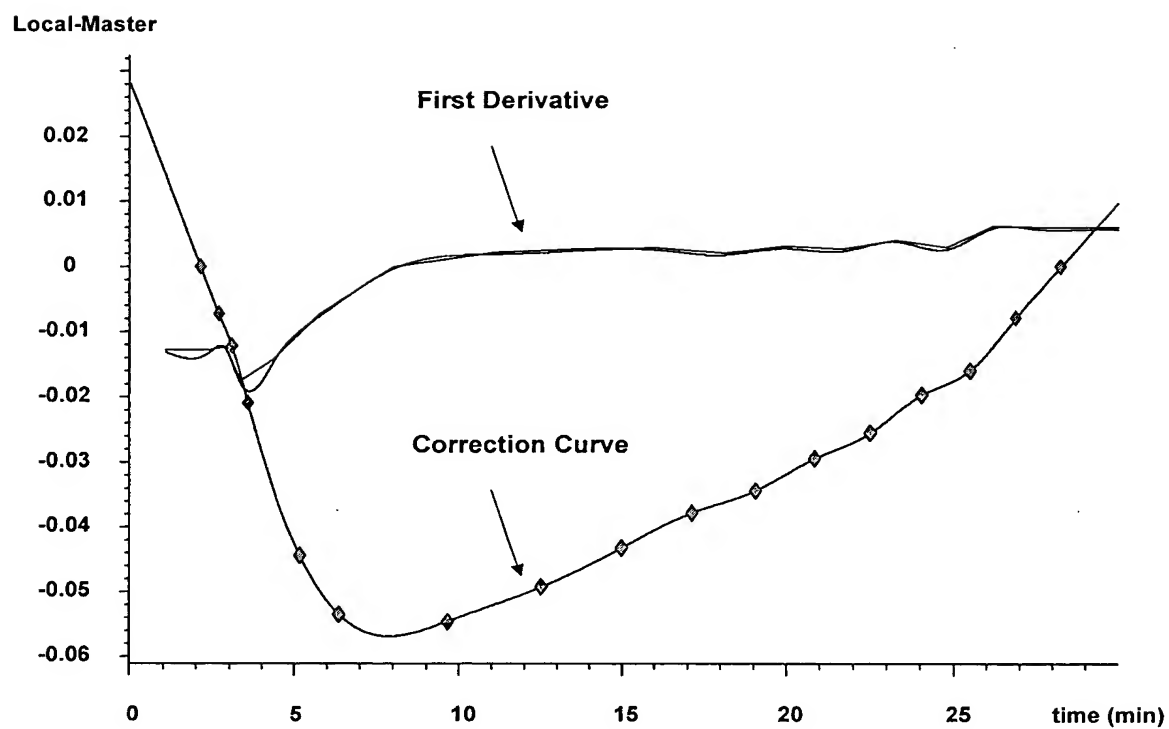
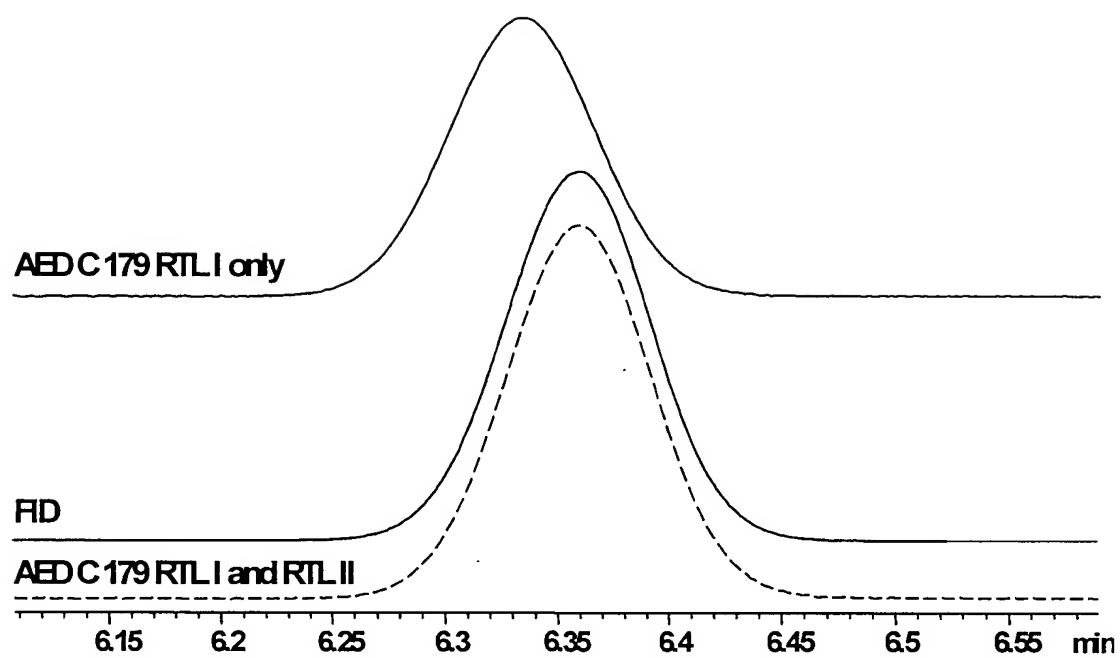


FIG. 15



**FIG. 16**

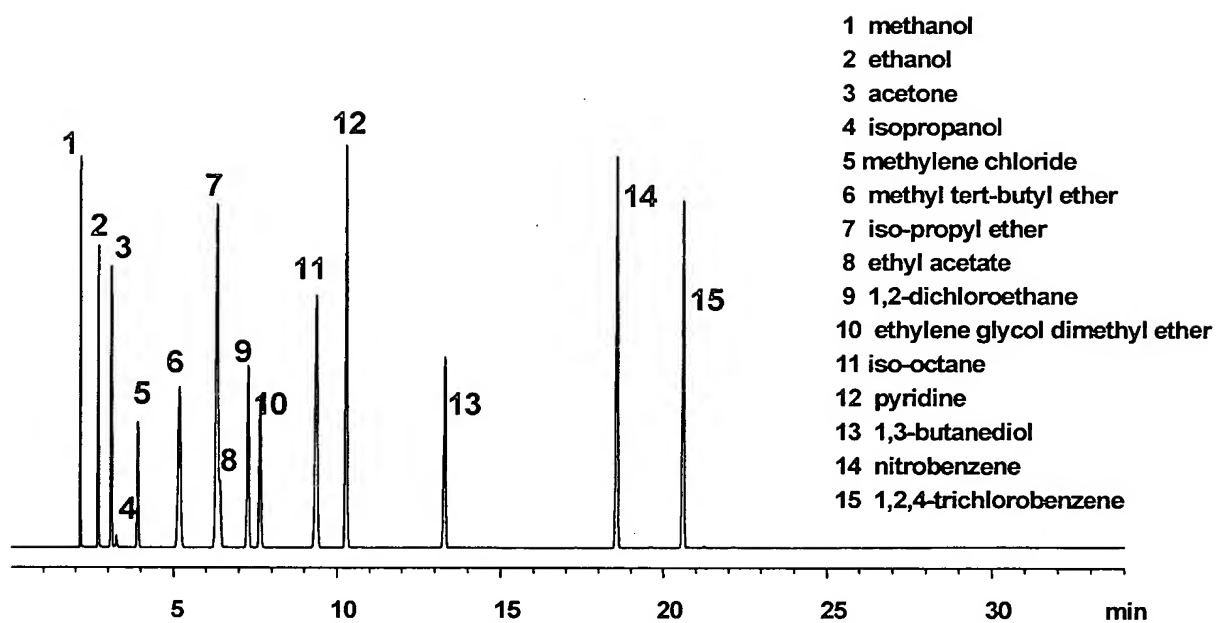


FIG. 17

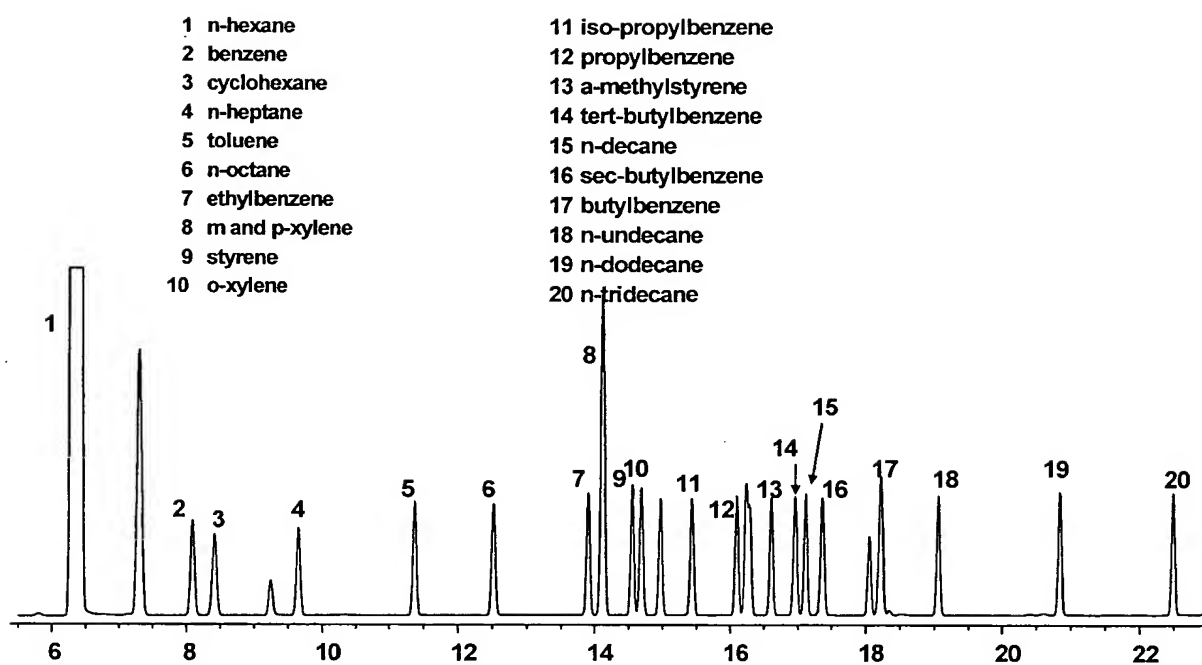
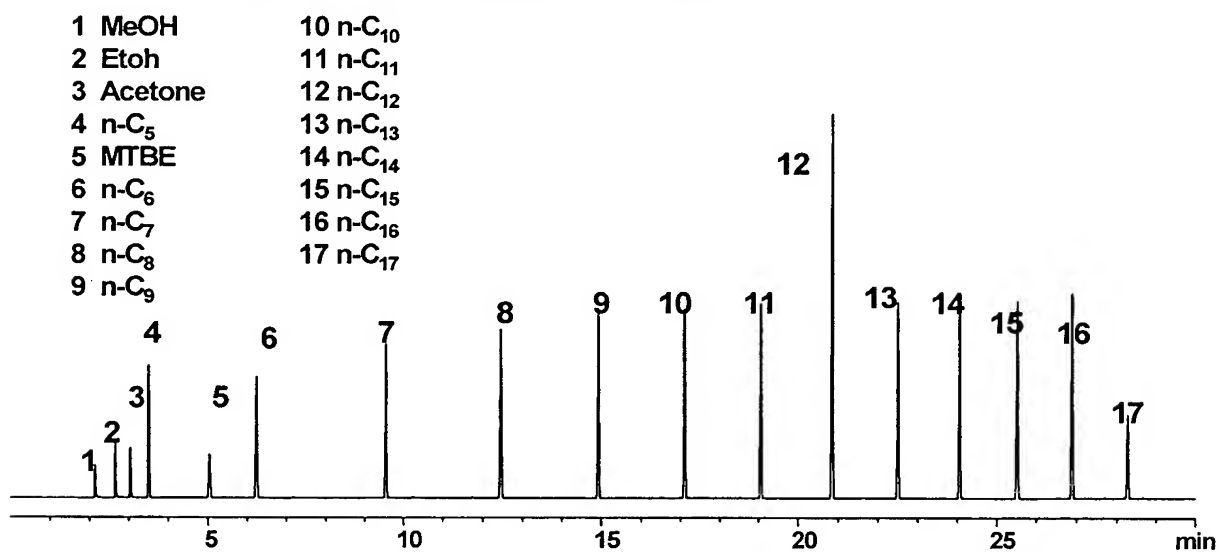


FIG. 18

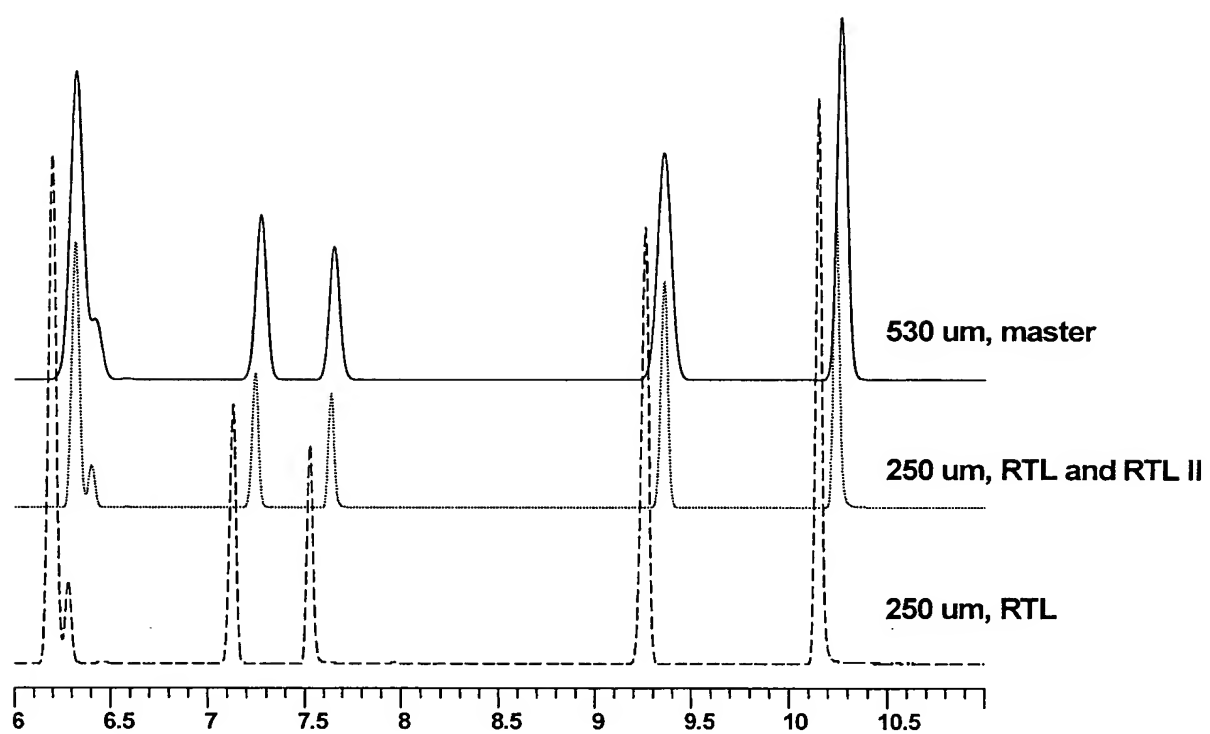
30 m x 250  $\mu$ m x 1.0  $\mu$ m DB-1 1.42  $\mu$ m

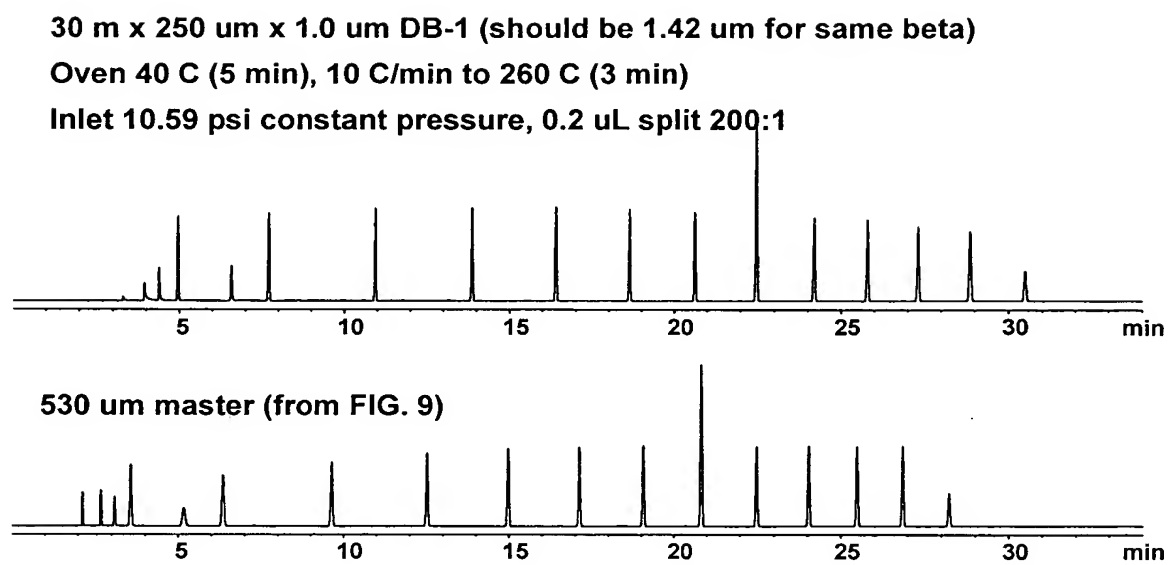
Oven 40 C (5 min), 10 C/min to 260 C (3 min)

Inlet 17.11 psi constant pressure, 0.2  $\mu$ L split 200:1



**FIG. 19**

**FIG. 20**

**FIG. 21**

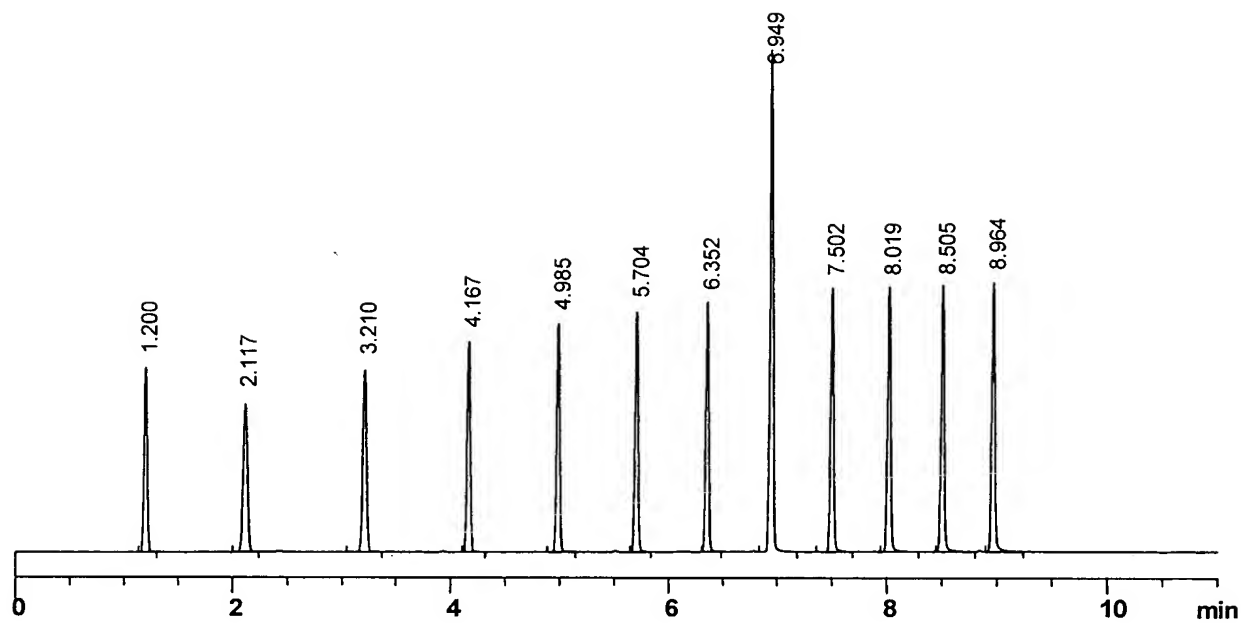


FIG. 22

**Delete all peaks not used for RTL2 calibration. Both tables must have same number of peaks.**

Master Reference				Local Reference		
#	RT	Compound Name	Area	#	RT	Area
1	36.000	n-pentane	0.00	1	1.200	664.46
2	69.000	n-hexane	0.00	2	2.117	727.41
3	98.000	n-heptane	0.00	3	3.210	777.22
4	126.000	n-octane	0.00	4	4.167	799.69
5	151.000	n-nonane	0.00	5	4.985	833.21
6	174.000	n-decane	0.00	6	5.704	849.97
7	196.000	n-undecane	0.00	7	6.352	869.99
8	216.000	n-dodecane	0.00	8	6.949	1776.33
9	235.000	n-tridecane	0.00	9	7.502	918.60
10	254.000	n-tetradecane	0.00	10	8.019	949.95
11	271.000	n-pentadecane	0.00	11	8.505	965.89
12	287.000	n-hexadecane	0.00	12	8.964	993.95

Created From: manual  
 Comment: Calibration for converting RT to BP

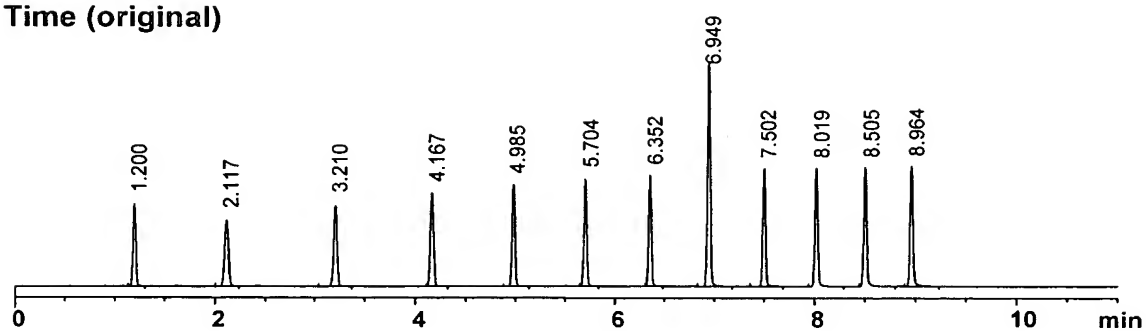
Created From: G:\RTL2\_PAT\RTL2AED3\HC1.D  
 Comment: calibration for RT => BP conversion

OK Cancel

FIG. 23



Time (original)



Boiling Point

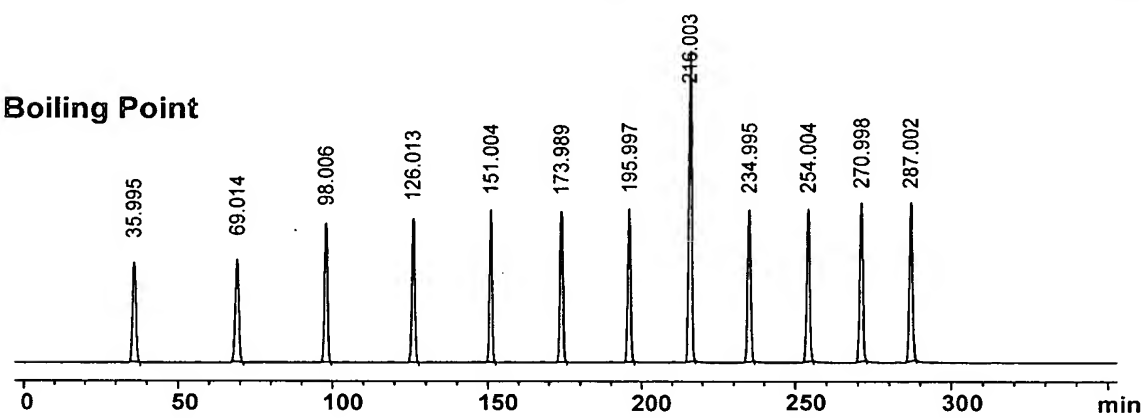
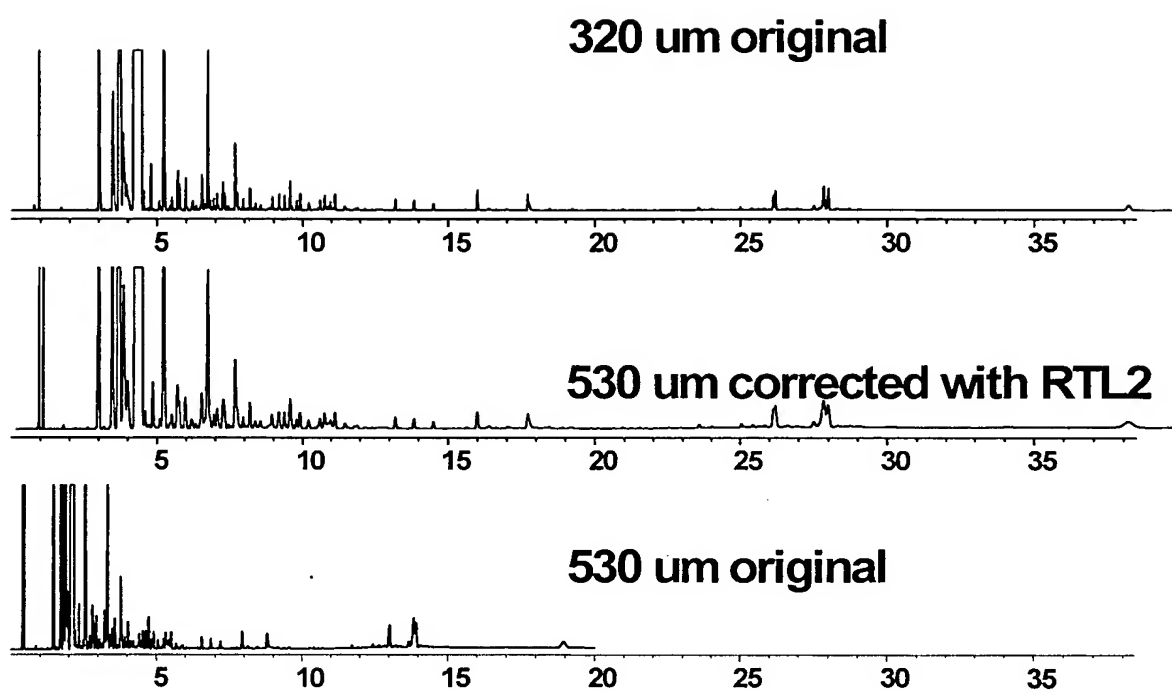
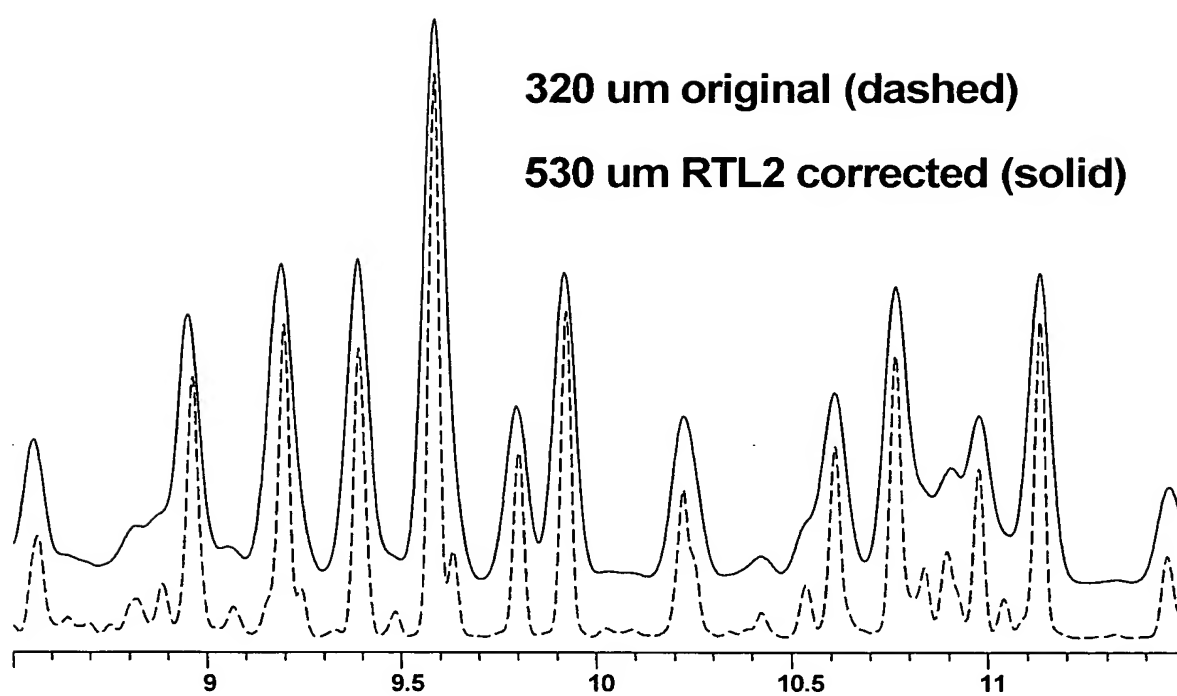


FIG. 24



**FIG. 25**

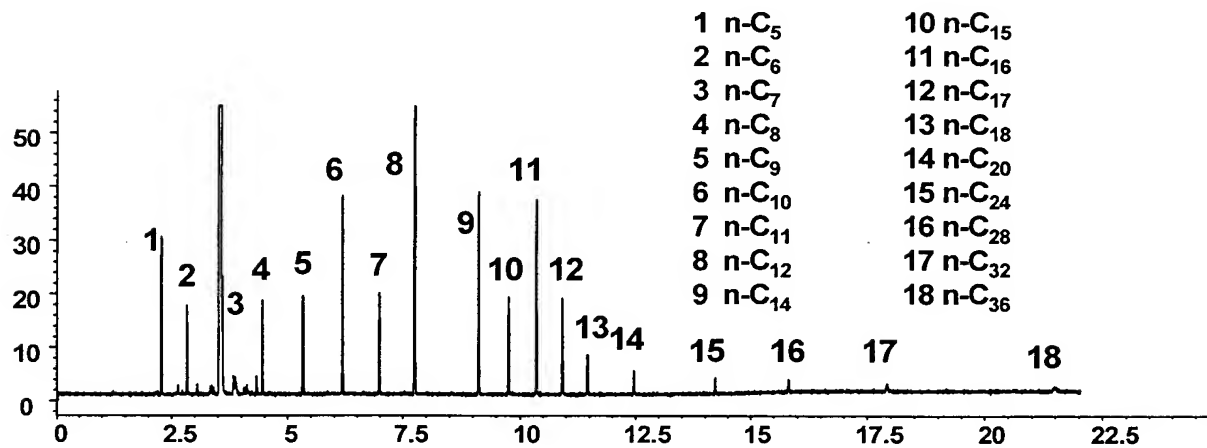


**FIG. 26**

30 m x 320  $\mu$ m x 1.0  $\mu$ m HP-1MS

Oven 40 C (0 min), 20 C/min to 340 C (15 min)

Constant Flow 2 mL/min, 0.5  $\mu$ L split 100:1



**FIG. 27**

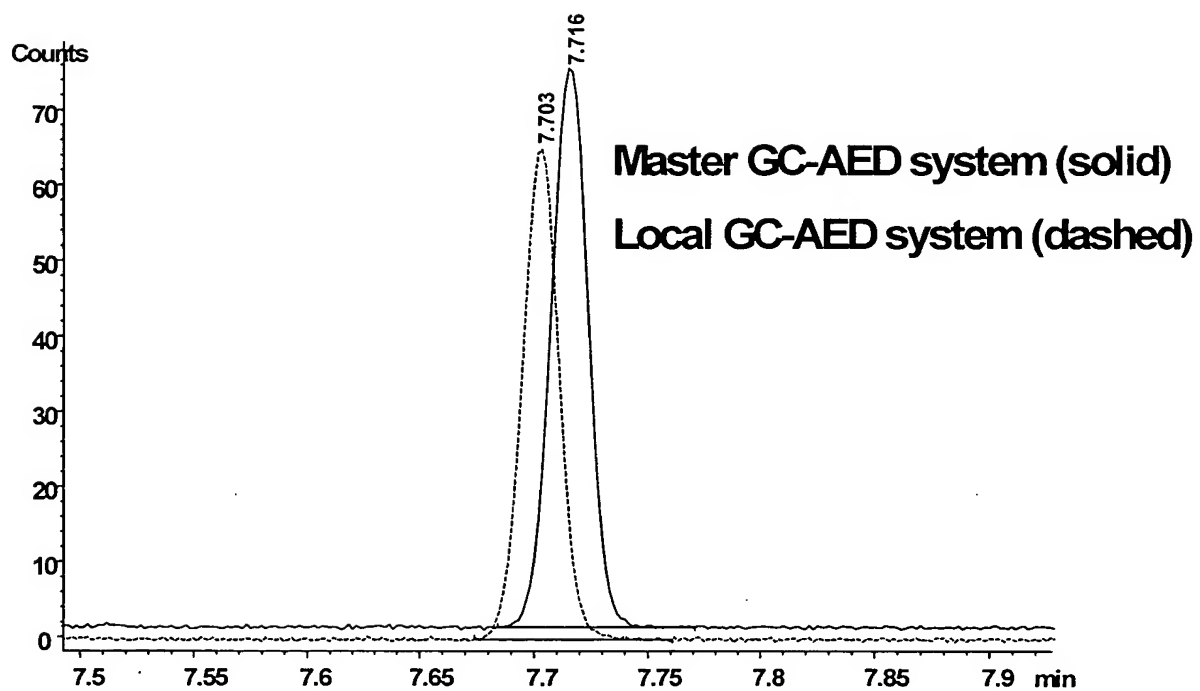
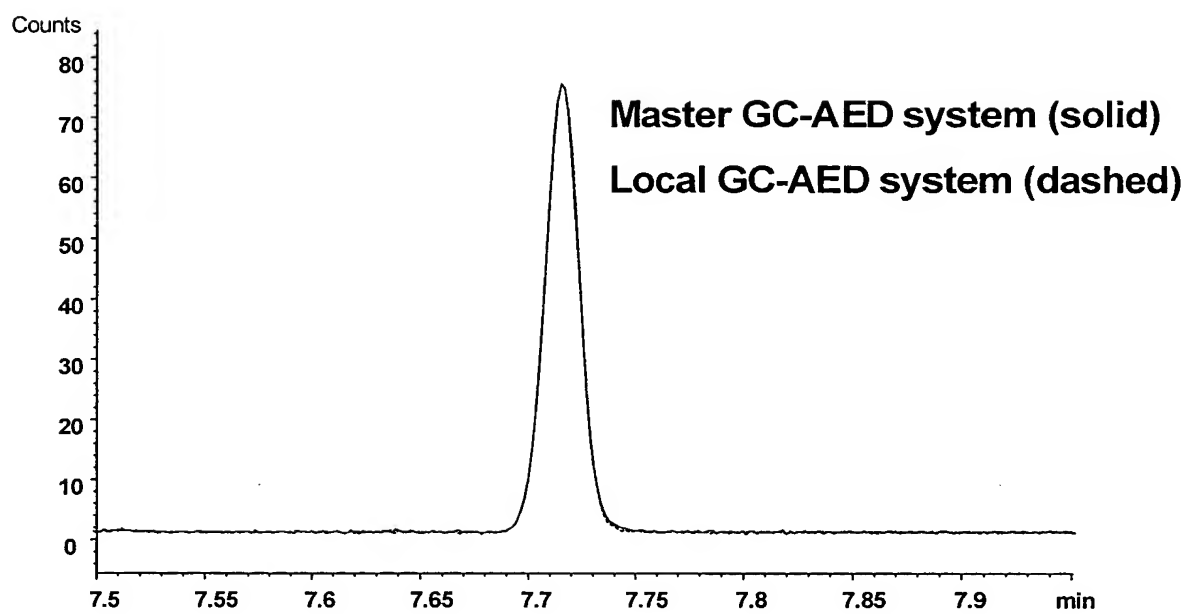
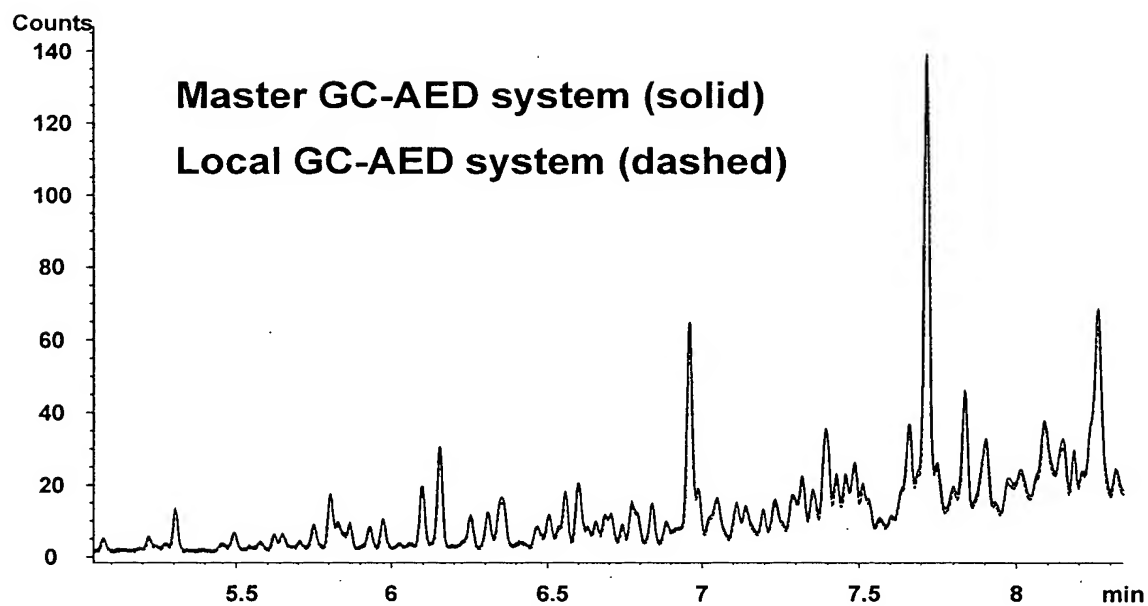
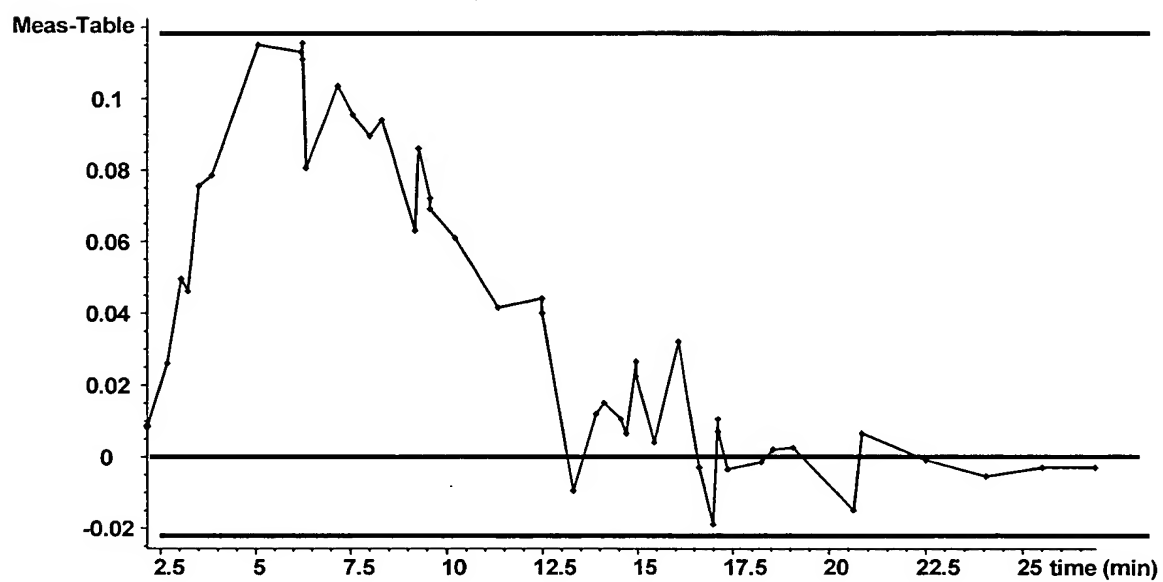


FIG. 28

**FIG. 29**

**FIG. 30**

**FIG. 31**



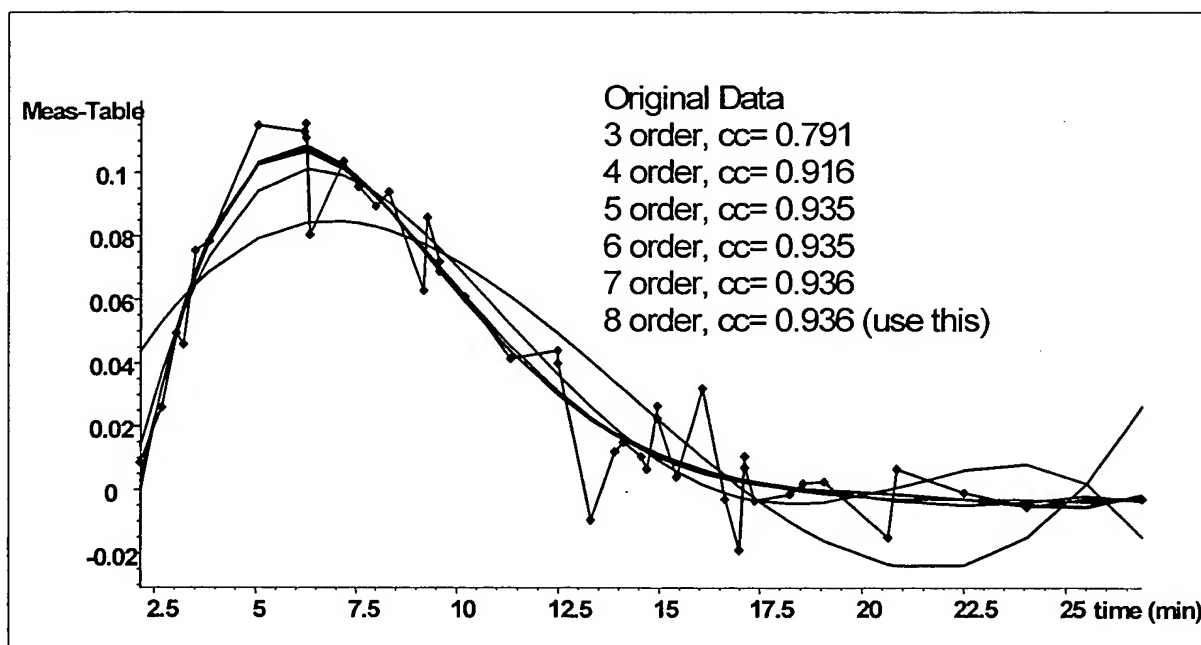
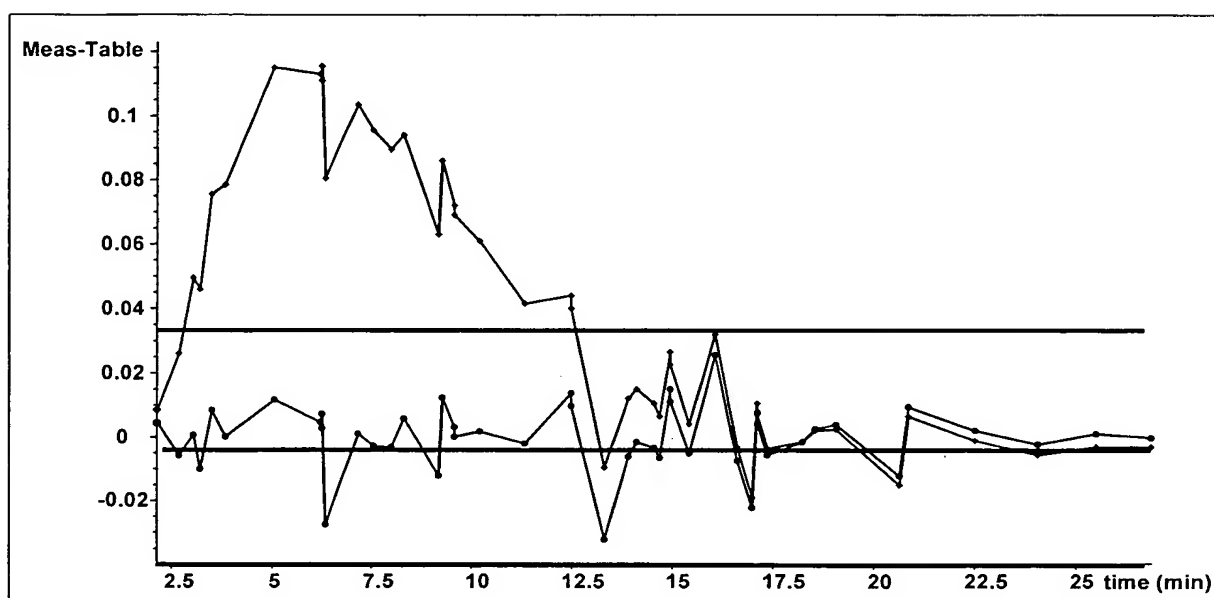


FIG. 32

**FIG. 33**

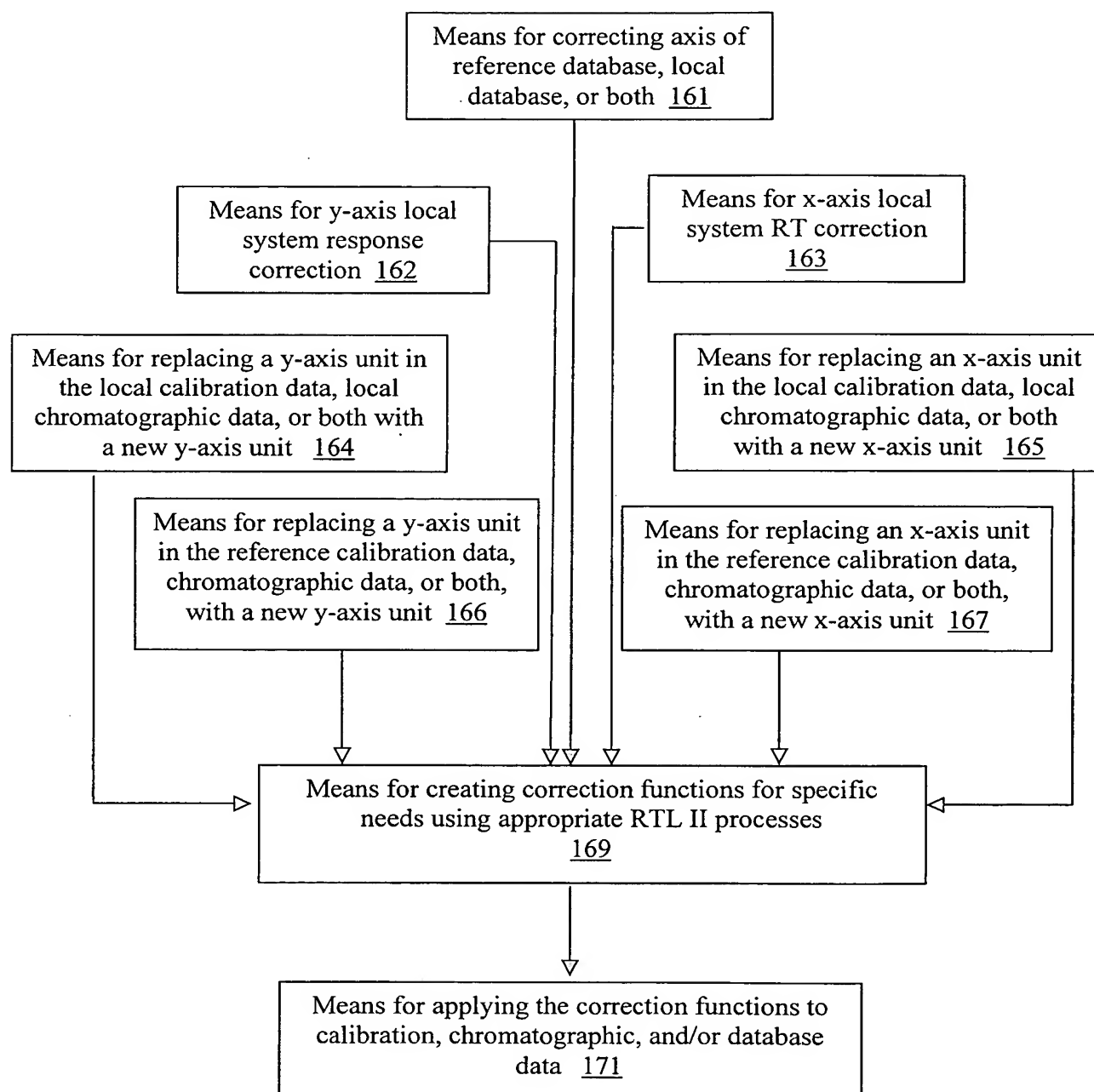


FIG. 34